



INSTRUCTION BULLETIN

No. 340478
Machine: ATLV 4300
Published: 2-01/00
System: ELECTRICAL

NOTE: DO NOT DISCARD the Parts List from the Instruction Bulletin. Place the Parts List in the appropriate place in your machine manual for future reference. Retaining the Parts List will make it easier to reorder individual parts and will save you the cost of ordering an entire kit.

NOTE: Numbers in parenthesis () are reference numbers for parts listed in Bill of Materials.

Installation instructions for kit number 368607

SYNOPSIS / PROBLEM:

This kit contains the parts needed to replace the instrument panel on the model ATLV 4300 litter vacuum.

Please follow step-by-step instructions.

SPECIAL TOOLS / CONSIDERATIONS: NONE

(Estimated time to complete: 2 hours)

PREPARATION:

(Refer to FIG. 1, 2 and 3)

FOR SAFETY: Before leaving or servicing machine, stop on level surface and set parking brake. Then turn off machine and remove key.

1. Disconnect battery cables from machine.



WARNING: Always disconnect battery cables from machine before working on electrical components.

2. Remove and set aside the steering wheel securing nut cover, securing nut and the steering wheel. (Refer to FIG. 1)
3. Loosen the steering column boot. (Refer to FIG. 1)
4. Disconnect the turn signal wire harness (OPTION) from the main harness. Loosen and set aside the turn signal assembly (OPTION) from the steering column if mounted.
5. Disconnect and set aside the steering column boot and mounting hardware. (Refer to FIG. 1)
6. Remove and set aside the control panel mounting bolts. Lift the instrument panel off from the machine to access the light panel on the back side. (Refer to FIG. 1)
7. Label and note all of the instrument panel wire connections before disconnecting. (Refer to FIG. 3)
8. Disconnect all indicator lights along the top edge of the instrument panel.
9. Disconnect remove and set aside the ignition switch and glow plug timer from the instrument panel. (Refer to FIG. 3)
10. Disconnect, remove and set aside the hourmeter from wire harness. (Refer to FIG. 3)

11. Disconnect remove and set aside the fuel gauge and light from the instrument panel.
(Refer to FIG. 1)
12. Disconnect and remove the fan switch and head lift switch from the instrument panel.
(Refer to FIG. 1)
13. Disconnect, remove and set aside all circuit breakers from the lower half of the instrument panel. (Refer to FIG. 1)
14. Place the instrument panel on a clean work surface. Remove the light panel from the back side of the instrument panel. Set the hex nuts, light panel, foam seal and light panel aside. Set the old instrument panel aside.

INSTALLATION:

(Refer to FIG. 1, 2 and 3)

1. Place the new instrument panel on the work surface. Install the light panel and foam seal to the back side of the new instrument panel.
2. Install all of the set aside circuit breakers in the lower half of the new instrument panel.
3. Spread terminals 1-2 and 5-6 on the back side of the new switches with a small slotted screwdriver, to prevent the new connections from making contact. Install the two new rocker switches in the new instrument panel, in place of the old fan and head lift switches.
(Refer to FIG. 2 and 3)
4. Install the set aside fuel gauge, light and hourmeter in the new instrument panel.
5. Install the set aside ignition switch in the instrument panel. Install the glow plug timer in the instrument panel.
6. Lift the new instrument panel assembly up and over the steering column. Connect all of the instruments in the new panel to their proper main harness connections. (Refer to FIG. 3)
7. Place the instrument panel back into mounting position. Secure the panel with the set aside mounting bolts.
8. Replace the steering column boot, and secure in place with the set aside mounting hardware.
9. Reinstall the turn signal assembly (OPTION) on the steering column. Reconnect the turn signal wiring harness to the main harness.
10. Reinstall the steering wheel with the steering wheel nut. Replace the steering wheel nut cover.
11. Reconnect the battery cables. Start the machine and check the instruments on the instrument panel for proper operation.

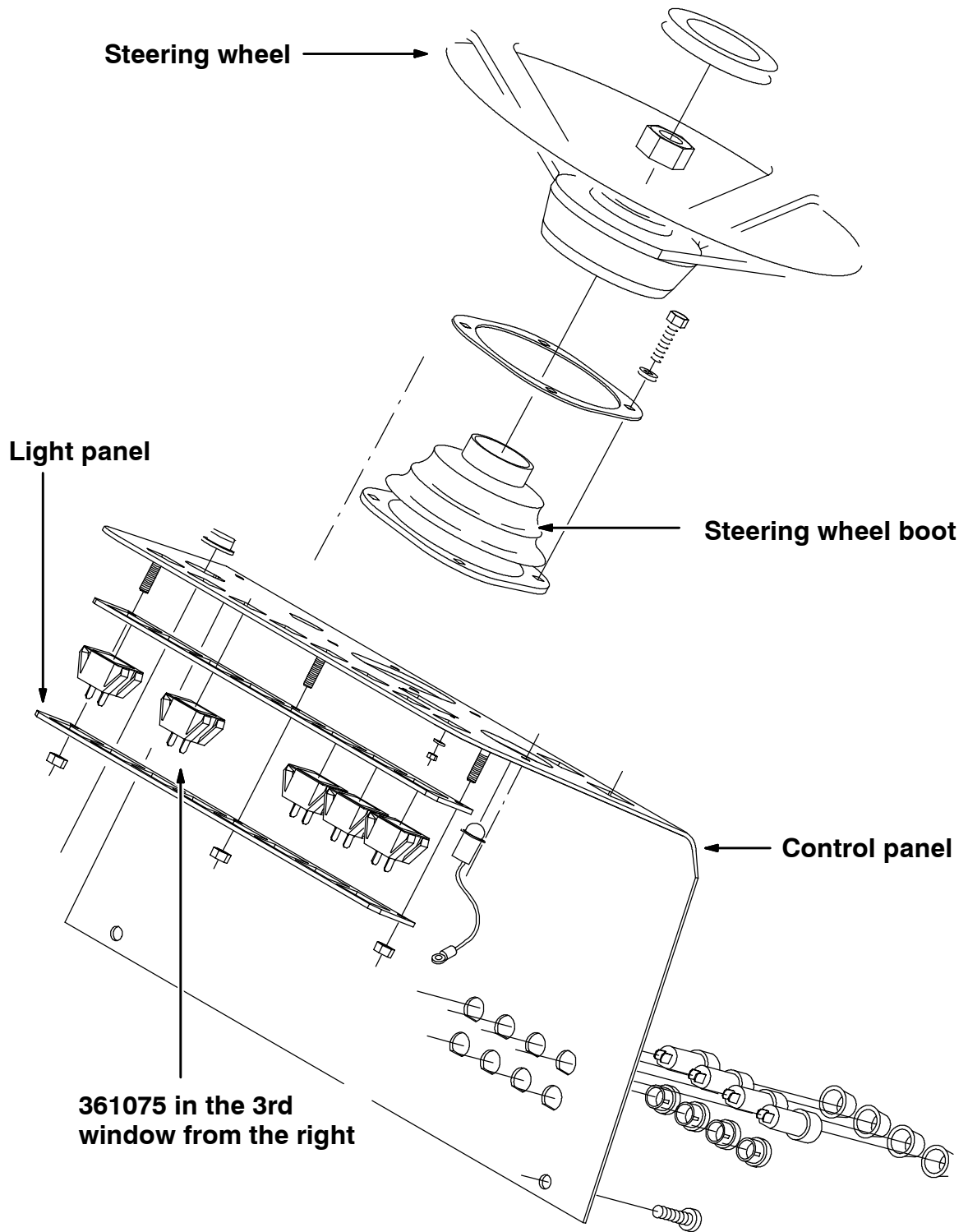


FIG. 1 - Instrument Panel Breakdown

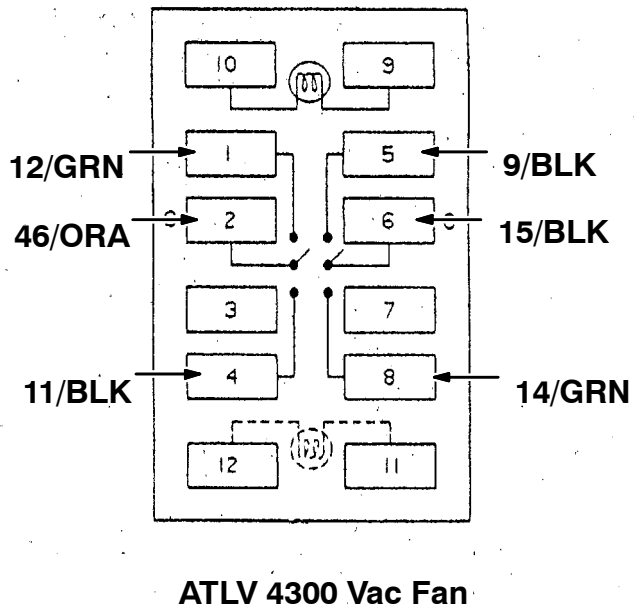
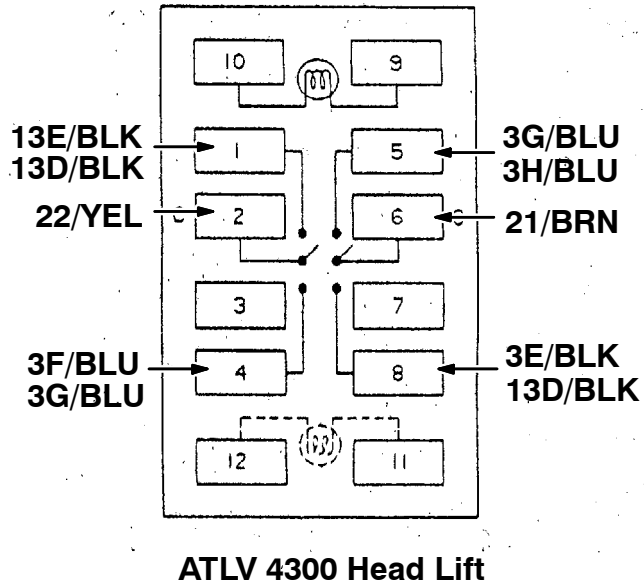


FIG. 2 - New Switch Wiring Diagrams

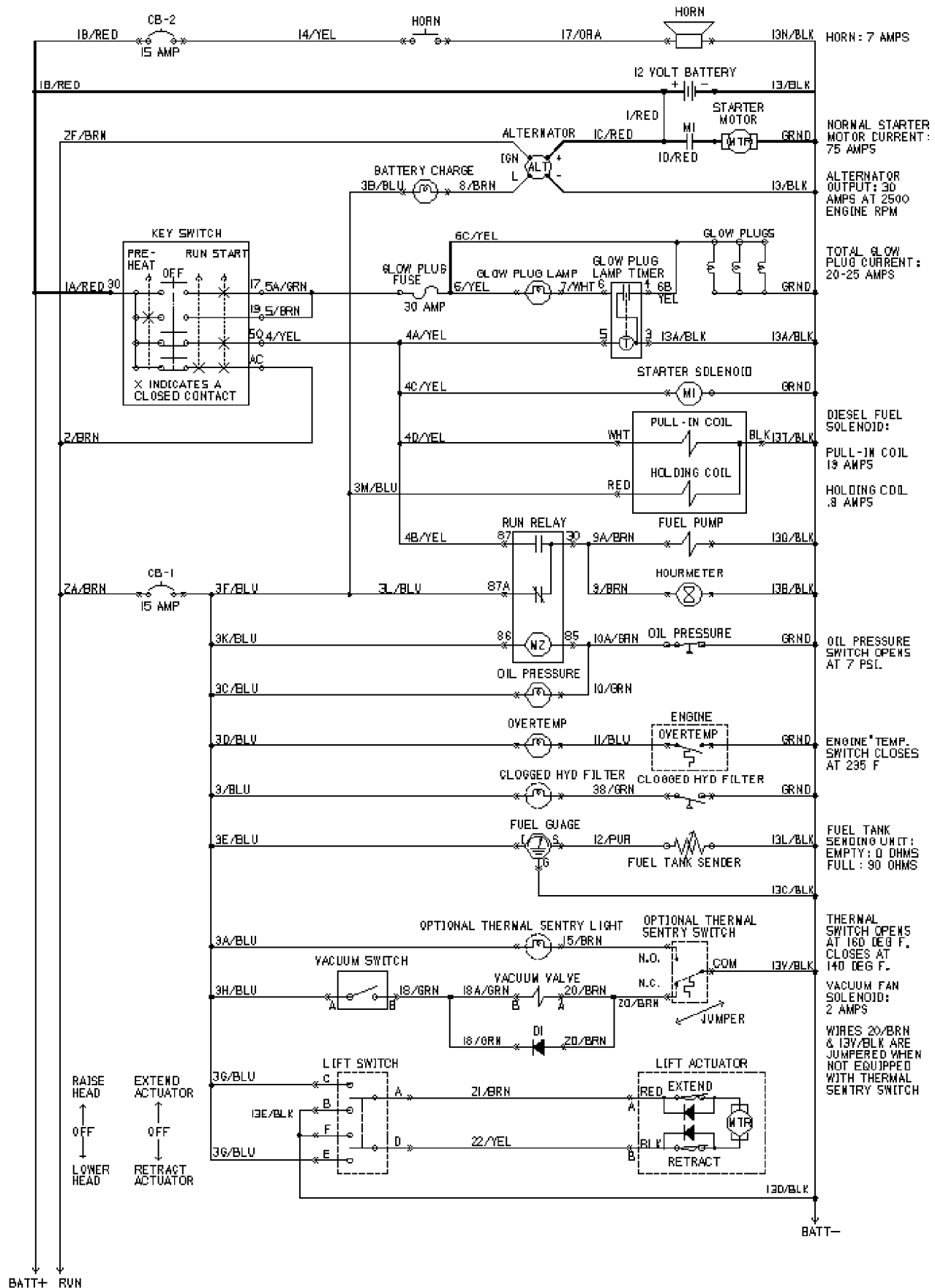


Fig. 1 - Electrical Schematic

FIG. 3 - ATLV 4300 Wiring Harness

BILL OF MATERIALS FOR INSTRUMENT PANEL KIT 368607

Ref.	TENNANT Part No.	Description	Qty.
1	368602	Panel, mtg, instrument, ATLV 4300	1
2	368600	Kit, label, operational, ATLV 4300	1
3	397889	Switch, rocker, DPST	1
4	398508	Switch, rockerDPDT	1
5	398501	Switch, rocker, hole plug	1

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